AMENDMENTS TO THE CLAIMS

Listing of claims:

1. – 18. (Canceled)

19. (New) A method for updating an Integrated Access Device (IAD) in a communication system using updated files stored in a server, the method comprising:

configuring a server information through an IAD Management System (IADMS), wherein the server information corresponds to the server;

receiving, by the IAD, a Simple Network Management Protocol (SNMP) backup configuration data command from the IADMS;

backing up configuration data of the IAD to the server according to the SNMP backup configuration data command;

receiving, by the IAD, an SNMP update command from the IADMS, wherein the SNMP update command comprises a server address information and an updated files name information, and wherein the server address information corresponds to the server's address; and

downloading, by the IAD, the updated files from the server according to the SNMP update command, wherein the server address information allows the IAD to locate the server, and wherein the updated files name information allows the IAD to identify the updated files in the server;

loading the updated files to the IAD;

receiving, by the IAD, an SNMP recovery configuration data command from the IADMS, wherein the SNMP recovery configuration data command comprises the server address information and a configuration data files name information; and

recovering, by the IAD, the configuration data backed up to the server according to the SNMP recovery configuration data command.

20. (New) The method of claim 19, wherein the server is either a File Transfer Protocol (FTP) server or a Trivial File Transfer Protocol (TFTP) server.

21. (New) The method of claim 20, wherein the server is an FTP server.

22. (New) The method of claim 20, wherein the server is a TFTP server.

23. (New) The method according to claim 19, wherein backing up the configuration data of the IAD to the server comprises:

transmitting the configuration data of the IAD to the server; and

determining whether the configuration data is successfully backed up to the server,

wherein if the configuration data is not successfully backed up to the server, then the method further comprises determining whether to re-transmit the configuration data to the server.

24. (New) The method according to claim 23, wherein determining whether the configuration data is successfully backed up to the server comprises:

determining whether a backup failure message is received from the IAD; and

determining whether a transmission time of the configuration data exceeds a predetermined time,

wherein if either the backup failure message is received or the transmission time exceeds the predetermined time, then the configuration data is determined to have not been successfully backed up to the server.

25. (New) The method according to claim 23, wherein the configuration data is not successfully backed up to the server, and wherein determining whether to re-transmit the configuration data to the server comprises:

notifying a user of the IAD that the configuration data was not successfully backed up to the server; and

prompting the user to provide instructions as to whether backing up of the configuration data to the server should be re-attempted,

wherein if the user provides an instruction to re-attempt backing up of the configuration data to the server, then the method further comprises: repeating transmission of the configuration data to the server.

26. (New) The method according to claim 25, wherein if the user does not provide an instruction to re-attempt backing up of the configuration data to the server, then the transmission of the configuration data to the server is not repeated.

27. (New) The method according to claim 19, wherein subsequent to downloading the updated files from the server and loading the updated files to the IAD, the method further comprises:

determining whether the updated files are successfully loaded to the IAD,

wherein if the updated files are not successfully loaded to the IAD, then the method further comprises determining whether to repeat the steps of downloading the updated files from the server and loading the updated files to the IAD.

28. (New) The method according to claim 27, wherein determining whether the updated files are successfully loaded to the IAD comprises:

determining whether an update failure message is received from the IAD; and

determining whether a loading time of the updated files exceeds a predetermined time, wherein the loading time corresponds to the time required to receive the updated files from the server and load the updated files to the IAD;

wherein if either the update failure message is received or the loading time exceeds the predetermined time, then the updated files are determined to have not been successfully loaded to the IAD.

29. (New) The method according to claim 27, wherein the determining whether to repeat the steps of downloading the updated files from the server and loading the updated files to the IAD comprises:

notifying a user of the IAD that the updated files were not successfully loaded to the IAD; and

prompting the user to provide instructions as to whether loading the updated files to the IAD should be re-attempted,

wherein if the user provides an instruction to re-attempt loading the updated files to the IAD, then the method further comprises repeating the steps of downloading the updated files from the server and loading the updated files to the IAD.

30. (New) The method according to claim 26, wherein before downloading the updated files from the server and loading the updated files to the IAD, the method further comprises:

storing current files in the IAD, wherein the current files are replaced by the updated files when the updated files are loaded to the IAD, and

wherein if the updated files are not successfully loaded to the IAD, then the current files in the IAD are recovered before repeating the steps of downloading the updated files from the server and loading the updated files to the IAD.

31. (New) The method according to claim 19, wherein recovering the configuration data backed up to the server comprises:

downloading, by the IAD, the configuration data from the server;

loading the configuration data to the IAD; and

determining whether the configuration data was successfully recovered by the IAD,

wherein if the configuration data is not successfully recovered by the IAD, then the method further comprises: determining whether recovery of the configuration data should be re-attempted by the IAD.

32. (New) The method according to claim 31, wherein determining whether the configuration data was successfully recovered by the IAD comprises:

determining whether a recovery failure message is received from the IAD; and

determining whether a recovery time of configuration data exceeds a predetermined time, wherein the recovery time corresponds to the time required to download the configuration data from the server and load the updated files to the IAD,

wherein if either the recovery failure message is received or the recovery time exceeds the predetermined time, then the configuration data is determined to have not been successfully recovered.

33. (New) The method according to claim 31, wherein determining whether recovery of the configuration data backed should be re-attempted by the IAD comprises:

notifying a user of the IAD that the configuration data was not successfully recovered by the IAD; and

prompting the user to provide instructions as to whether recovery of the configuration data backed should be re-attempted by the IAD,

wherein if the user provides an instruction that recovery of the configuration data backed should be re-attempted by the IAD, then the method further comprises re-attempting recovery of the configuration data by the IAD.

34. (New) The method according to claim 19, wherein recovering the configuration data backed up to the server comprises:

downloading, by the IAD, the configuration data files according to the SNMP recovery configuration data command, wherein the server address information allows the IAD to locate the server, and wherein the configuration data files name information allows the IAD to identify the configuration data files; and

loading the configuration data files to the IAD.

35. (New) An Integrated Access Device (IAD), comprising:

an interface unit configured to establish a communication connection with a sever that stores updated files for updating the IAD; and

an update control unit configured to:

configure a server information through an IAD Management System (IADMS);

receive a Simple Network Management Protocol (SNMP) backup configuration data command from the IADMS;

transmit configuration data of the IAD to the server according to the SNMP backup configuration data command, wherein the configuration data is backed up to the server;

receive an SNMP update command from the IADMS, wherein the SNMP update command comprises a server address information and an updated files name information, and wherein the server address information corresponds to the server's address;

download the updated files from the server according to the SNMP update command, wherein the server address information allows the update control unit to locate

the server, and wherein the updated files name information allows the update control unit to identify the updated files in the server;

load the updated files to the IAD;

receive an SNMP recovery configuration data command from the IADMS, wherein the SNMP recovery configuration data command comprises the server address information and a configuration data files name information; and

recover the configuration data backed up to the server to the IAD according to the SNMP recovery configuration data command.

36. (New) The IAD of claim 35, wherein the server is either a File Transfer Protocol (FTP) server or a Trivial File Transfer Protocol (TFTP) server.

37. (New) The IAD of claim 36, wherein the server is an FTP server.

38. (New) The IAD of claim 36, wherein the server is a TFTP server.